



Antea USA, Inc.
5910 Rice Creek Parkway, Suite 100
St. Paul, MN 55126 USA
www.anteagroup.com

April 2, 2014

**RE: Well Water Sampling Event –
Laboratory Test Results**

Dear Lawrence and Collete Gernon:

On behalf of Wood River Pipe Lines LLC (Wood River), Antea®Group would like to thank for your cooperation in allowing Antea Group to collect water samples from the water supply well at your residence. The water samples were collected in response to the pipeline spill site near Route 113, Kankakee, Illinois in order to confirm that petroleum products have not impacted your well water. A sample was collected from the well located on your property on March 31, 2014.

Enclosed for your information are the test results from your well water. We are pleased to report that no benzene, toluene, ethylbenzene or xylenes (collectively, BTEX) or other common petroleum constituents were found in your well water and that the test results meet Illinois Environmental Protection Agency (IEPA) Class I Groundwater Standards for drinking water.

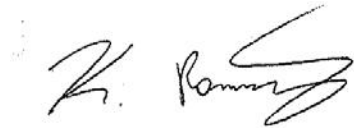
The presence of chloroform in your well is not associated with petroleum products. However, the chloroform concentration is above the IEPA drinking water standard. Shortly, the Illinois Department of Public Health (IDPH) will send you a letter providing toxicological interpretation of your well sampling results, in order to explain whether or not there might be any health implications from these results and provide any recommendations for further testing of your water well.

If you desire further explanation of these results, or if you have additional questions regarding the water testing procedures, please contact Dr. Tom Baughman at the Illinois Department of Public Health at (630) 293-6800 or Mike Norris, Wood River District Right-of-Way Agent at (219) 313-5321. With your permission, we may periodically request to re-sample your well in the future. We thank you for your participation in the well water sampling program.

If you would prefer results being sent to you via email versus Fed Ex, please contact Beth Helgeson of Antea Group at (800) 477-7411.



Sincerely,

A handwritten signature in black ink, appearing to read "K. Rannaoja", with a stylized flourish at the end.

Kendall Rannaoja
Senior Project Manager
kendall.rannaoja@anteagroup.com
Antea Group

Enclosures

cc: Jeff W. Brudereck, Wood River, Remediation Manager
Michael R. Norris, Wood River - District Right-of-Way Agent
Craig Thomas, USEPA Region 5
Mark Retzlaff, IEPA
John Bevis, Kankakee County Health Department
Bonnie Schaafsma, Kankakee County Health Department
Dr. Tom Baughman, Illinois Department of Public Health

RESIDENTIAL GROUNDWATER ANALYTICAL DATA - VOC
ROUTE 113 RELEASE
KANKAKEE, ILLINOIS

Sample I.D.	Date	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylene (Total) (ug/L)	Methyl-tert- butyl ether (ug/L)	Naphthalene (ug/L)	1,2,4- Trimethylbenzene (ug/L)	1,3,5- Trimethylbenzene (ug/L)
IEPA Class I		5	1000	700	10000	70	140	NGV	NGV
USEPA MCL		5	1000	700	10000	NGV	NGV	NGV	NGV
	3/14/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/17/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/20/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/24/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/26/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/31/2014	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Analytical Notes:

These compounds represent eight (8) of the most common petroleum product constituents. For the full list of compounds that were analyzed, please consult the attached laboratory data package.

VOC = Volatile Organic Compounds

IEPA = Illinois Environmental Protection Agency

Groundwater Quality Standards for Class I: Potable Resource Groundwater

USEPA = United States Environmental Protection Agency

MCL = Maximum Contaminant Level

ug/l= micrograms per liter

< = Not detected at or above indicated laboratory reporting limit

NGV = No given value

NA = Not Analyzed

Results in bold exceed applicable action limits



**First
Environmental
Laboratories, Inc.**

IL ELAP / NELAC Accreditation # 100292

1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

April 02, 2014

Mr. Kendall Rannaoja
ANTEA USA
1323 Bond Street
Suite 111
Naperville, IL 60563

Project ID: Illinois Route 113 Release
First Environmental File ID: 14-1527
Date Received: March 31, 2014

Dear Mr. Kendall Rannaoja:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 003363: effective 02/18/2014 through 02/28/2015.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,



Stan Zaworski
Project Manager



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Case Narrative

ANTEA USA

Lab File ID: **14-1527**

Project ID: **Illinois Route 113 Release**

Date Received: **March 31, 2014**

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The results in this report apply to the samples in the following table:

Laboratory Sample ID	Client Sample Identifier	Date/Time Collected
14-1527-005		03/31/14 11:27

Sample Batch Comments:

Sample acceptance criteria were met.

The following is a definition of flags that may be used in this report:

Flag	Description	Flag	Description
<	Analyte not detected at or above the reporting limit.	L	LCS recovery outside control limits.
C	Sample received in an improper container for this test.	M	MS recovery outside control limits; LCS acceptable.
D	Surrogates diluted out; recovery not available.	N	Analyte is not part of our NELAC accreditation.
E	Estimated result; concentration exceeds calib range.	P	Chemical preservation pH adjusted in lab.
G	Surrogate recovery outside control limits.	Q	Result was determined by a GC/MS database search.
H	Analysis or extraction holding time exceeded.	S	Analysis was subcontracted to another laboratory.
J	Estimated result; concentration is less than routine RL but greater than MDL.	W	Reporting limit elevated due to sample matrix.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.



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Analytical Report

Client: ANTEA USA
Project ID: Illinois Route 113 Release
Sample ID: [REDACTED]
Sample No: 14-1527-005

Date Collected: 03/31/14
Time Collected: 11:27
Date Received: 03/31/14
Date Reported:

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds		Method: E524.2		
Analysis Date: 03/31/14				
Benzene	< 0.5	0.5	ug/L	
Bromobenzene	< 0.5	0.5	ug/L	
Bromochloromethane	< 0.5	0.5	ug/L	
Bromodichloromethane	< 0.5	0.5	ug/L	
Bromoform	< 0.5	0.5	ug/L	
Bromomethane	< 0.5	0.5	ug/L	
n-Butylbenzene	< 0.5	0.5	ug/L	
sec-Butylbenzene	< 0.5	0.5	ug/L	
tert-Butylbenzene	< 0.5	0.5	ug/L	
Carbon tetrachloride	< 0.5	0.5	ug/L	
Chlorobenzene	< 0.5	0.5	ug/L	
Chloroethane	< 0.5	0.5	ug/L	
Chloroform	0.6	0.5	ug/L	
Chloromethane	< 0.5	0.5	ug/L	
2-Chlorotoluene	< 0.5	0.5	ug/L	
4-Chlorotoluene	< 0.5	0.5	ug/L	
1,2-Dibromo-3-chloropropane	< 0.5	0.5	ug/L	
Dibromochloromethane	< 0.5	0.5	ug/L	
1,2-Dibromoethane (EDB)	< 0.5	0.5	ug/L	
Dibromomethane	< 0.5	0.5	ug/L	
1,2-Dichlorobenzene	< 0.5	0.5	ug/L	
1,3-Dichlorobenzene	< 0.5	0.5	ug/L	
1,4-Dichlorobenzene	< 0.5	0.5	ug/L	
Dichlorodifluoromethane	< 0.5	0.5	ug/L	
1,1-Dichloroethane	< 0.5	0.5	ug/L	
1,2-Dichloroethane	< 0.5	0.5	ug/L	
1,1-Dichloroethene	< 0.5	0.5	ug/L	
cis-1,2-Dichloroethene	< 0.5	0.5	ug/L	
trans-1,2-Dichloroethene	< 0.5	0.5	ug/L	
1,2-Dichloropropane	< 0.5	0.5	ug/L	
1,3-Dichloropropane	< 0.5	0.5	ug/L	
2,2-Dichloropropane	< 0.5	0.5	ug/L	
1,1-Dichloropropene	< 0.5	0.5	ug/L	
1,3-Dichloropropene (cis&trans)	< 0.5	0.5	ug/L	
Ethylbenzene	< 0.5	0.5	ug/L	
Hexachlorobutadiene	< 0.5	0.5	ug/L	



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Analytical Report

Client: ANTEA USA
Project ID: Illinois Route 113 Release
Sample ID: [REDACTED]
Sample No: 14-1527-005

Date Collected: 03/31/14
Time Collected: 11:27
Date Received: 03/31/14
Date Reported:

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds		Method: E524.2		
Analysis Date: 03/31/14				
Isopropylbenzene	< 0.5	0.5	ug/L	
p-Isopropyltoluene	< 0.5	0.5	ug/L	
Methyl-tert-butylether (MTBE)	< 0.5	0.5	ug/L	
Methylene chloride	< 0.5	0.5	ug/L	
Naphthalene	< 0.5	0.5	ug/L	
n-Propylbenzene	< 0.5	0.5	ug/L	
Styrene	< 0.5	0.5	ug/L	
1,1,1,2-Tetrachloroethane	< 0.5	0.5	ug/L	
1,1,2,2-Tetrachloroethane	< 0.5	0.5	ug/L	
Tetrachloroethene	< 0.5	0.5	ug/L	
Toluene	< 0.5	0.5	ug/L	
1,2,3-Trichlorobenzene	< 0.5	0.5	ug/L	
1,2,4-Trichlorobenzene	< 0.5	0.5	ug/L	
1,1,1-Trichloroethane	< 0.5	0.5	ug/L	
1,1,2-Trichloroethane	< 0.5	0.5	ug/L	
Trichloroethene	< 0.5	0.5	ug/L	
Trichlorofluoromethane	< 0.5	0.5	ug/L	
1,2,4-Trimethylbenzene	< 0.5	0.5	ug/L	
1,3,5-Trimethylbenzene	< 0.5	0.5	ug/L	
1,2,3-Trichloropropane	< 0.5	0.5	ug/L	
Vinyl chloride	< 0.5	0.5	ug/L	
o-Xylene	< 0.5	0.5	ug/L	
m&p-Xylene	< 0.5	0.5	ug/L	
Xylene, Total	< 0.5	0.5	ug/L	

Polynuclear Aromatic Hydrocarbons

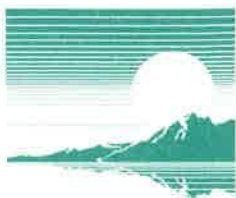
Method: E625

Preparation Method 625W

Analysis Date: 04/01/14

Preparation Date: 04/01/14

Acenaphthene	< 10	10	ug/L
Acenaphthylene	< 10	10	ug/L
Anthracene	< 5	5	ug/L
Benzo(a)anthracene	< 0.13	0.13	ug/L
Benzo(a)pyrene	< 0.2	0.2	ug/L
Benzo(b)fluoranthene	< 0.18	0.18	ug/L
Benzo(k)fluoranthene	< 0.17	0.17	ug/L
Benzo(ghi)perylene	< 0.4	0.4	ug/L
Chrysene	< 1.5	1.5	ug/L
Dibenzo(a,h)anthracene	< 0.3	0.3	ug/L



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Analytical Report

Client: ANTEA USA
Project ID: Illinois Route 113 Release
Sample ID: [REDACTED]
Sample No: 14-1527-005

Date Collected: 03/31/14
Time Collected: 11:27
Date Received: 03/31/14
Date Reported:

Analyte	Result	R.L.	Units	Flags
Polynuclear Aromatic Hydrocarbons		Method: E625		
Analysis Date: 04/01/14		Preparation Method 625W		
		Preparation Date: 04/01/14		
Fluoranthene	< 2	2	ug/L	
Fluorene	< 2	2	ug/L	
Indeno(1,2,3-cd)pyrene	< 0.3	0.3	ug/L	
Naphthalene	< 10	10	ug/L	
Phenanthrene	< 5	5	ug/L	
Pyrene	< 2	2	ug/L	



Company Name: Antea Group			
Street Address: 1323 Bond Street, Suite 111			
City: Naperville		State: IL	Zip: 60563
Phone: 800-477-7411		Fax:	e-Mail: kendall.rannaia@anteagroup.com
Send Report To: amy.wrigley@anteagroup.com		Via Fax: <input type="checkbox"/>	Via e-Mail: <input checked="" type="checkbox"/>
Sampled By: Taylor Price			

1600 Shore Road, Suite D
Naperville, IL 60563
Phone: (630)778-1200 * Fax (630)778-1233
E-Mail: info@firstenv.com
IEPA Accreditation #100292

[illegible]

FOR LAB USE ONLY: Cooler Temperature: 0.1-5°C Yes ☒ No ☐ °C
Received within 6 hrs of collection: _____
Ice Present: Yes ☒ No ☐

Sample Refrigerated: Yes ___ No ___
Refrigerator Temperature: _____ °C

Containers Received Preserved: Yes ___ No ___
5035 Vials Frozen: Yes ___ No ___
Freezer Temperature: ___ °C

Notes and Special Instructions: 3 To color with 762

Notes and Special Instructions: 3 In cable with TB2			
Relinquished By: Jackie Pierce	Date/Time: 3/31/14 1445	Received By: [Signature]	Date/Time: 3/31/14 1445
Relinquished By: [Signature]	Date/Time: 3/31/14 1650	Received By: [Signature]	Date/Time: 3/31/14 1650